

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (CURRENTLY AMENDED) A connector, comprising:

a spring contact, wherein said spring contact is substantially U-shaped and has first and second branches, which are formed parallel to each other, and a base joining said first and second branches at one end for forming said U-shape, and wherein each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes where said branches connect to said base and the intersection of said two planes is within the base of the U-shape, and

wherein one of said first and second branches and the base are coplanar, and where the first and second branches are formed integrally with said base.

2. (PREVIOUSLY PRESENTED) A connector according to claim 1, characterized in that one of said first and second branches and the base are coplanar.

3. (PREVIOUSLY PRESENTED) A connector according to claim 1, characterized in that electrical contact of at least one of said first and second branches is made at the free end of said branch.

4. (PREVIOUSLY PRESENTED) A connector according to claim 1, characterized in that one of said first and second branches is adapted to come into contact with a printed circuit and the other of said first and second branches is adapted to come into contact with a battery.

5. (CURRENTLY AMENDED) An electrical connector, comprising:
a first face,
a second face opposite said first face, and
at least one housing for receiving a spring contact and opening onto both of said first and second faces,

wherein said spring contact is substantially U-shaped and has first and second branches, which are formed parallel to each other, and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar; and

wherein the spring contact is positioned in the housing so that the plane containing the base of the U-shape is substantially parallel to respective planes of the faces of the connector.

6. (PREVIOUSLY PRESENTED) A connector according to claim 5, further comprising a guide to guide the spring contact into position in the housing.

7. (PREVIOUSLY PRESENTED) A connector according to claim 5, further comprising a

retainer for retaining the spring contact in the housing.

8. (PREVIOUSLY PRESENTED) A connector according to claim 5, characterized in that one of said first and second branches of the spring contact projects from the housing.

9. (PREVIOUSLY PRESENTED) An electrical connector, comprising:

- a first face;
- a second face opposite said first face; and
- a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, wherein each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

10. (PREVIOUSLY PRESENTED) A connector according to any one of claim 5, characterized in that one face of the connector has a pick-up area substantially at the center of said face.

11. (PREVIOUSLY PRESENTED) A connector according to claim 5, having lateral faces joining the first and second faces, characterized in that the lateral faces include at least one recess and a free end of one branch of the spring contact projects into said recess.

12. (PREVIOUSLY PRESENTED) An electrical connector, comprising:
a first face;
a second face opposite said first face; and
a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, wherein electrical contact of at least one of said first and second branches is made at the free end of said branch, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

13. (PREVIOUSLY PRESENTED) An electrical connector, comprising:
a first face;
a second face opposite said first face; and

a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, wherein one of said first and second branches is adapted to come in contact with a first electrical device and the other of said first and second branches is adapted to come into contact with a second electrical device, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

14. (CURRENTLY AMENDED) A connector, comprising:

a spring contact, wherein said spring contact is substantially U-shaped and has first and second branches, which are formed parallel to each other, and a base joining said first and second branches at one end for forming said U-shape, and wherein said first branch completes an electrical circuit with a first device and said second branch completes an electrical circuit with a second device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and wherein one of said first and second branches and the base are coplanar.

15. (PREVIOUSLY PRESENTED) A connector according to claim 14, characterized in that electrical contact of at least one of said first and second branches is made at the free end of said branch.

16. (PREVIOUSLY PRESENTED) A connector according to claim 14, characterized in that said first device is a printed circuit and said second device is a battery.